

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-54 (Cancelled)

55. (Currently amended) A method of treating a subterranean reservoir formation wherein the reservoir temperature is at least 100 degrees Celsius by

providing a wellbore fluid which comprises :

an anionic surfactant for forming a viscoelastic (VES) gel in which the surfactant is a solution of worm-like micelles, the surfactant being selected from a dimer, trimer or oligomer of:

- a carboxylate containing a hydrophobic group of 18 to 22 carbon atoms;
- a compound of formula R-X-Y-Z, in which R is the hydrophobic tail of the surfactant, Z is the hydrophilic head of the surfactant and is either COO^- or SO_3^- , X is an amide or ester group and Y is a linear or branched, saturated or unsaturated chain of 1, 2 or 3 carbon atoms;
- ~~a dimer, trimer or oligomer of a said carboxylate or said compound of formula R-X-Y-Z;~~

a viscosity-enhancing nonionic hydrophilic-lipophilic organic compound having one or more polar groups, wherein the molar ratio of the organic compound to the anionic surfactant is not greater than 0.5; and

a salt at a concentration in a range of 0 to less than 6 wt%; and
injecting the fluid into a wellbore leading to the subterranean formation.

56. (Previously presented) The method of claim 55 wherein the anionic surfactant has a hydrophobic group selected from one or more of oleyl, linoleyl, erucyl and tallowyl.

57. (Cancelled).

58. (Previously presented) The method of claim 55, wherein the hydrophilic-lipophilic organic compound is non-ionic and is composed of a linear or branched saturated or partially unsaturated carbon chain comprising one or more -OH or -NH₂ polar groups.

59. (Previously presented) The method of claim 58, wherein the hydrophilic-lipophilic compound contains at least one other group selected from an ether, ketone, amide, ester, phosphate ester or phosphonate ester group.

60. (Previously presented) The method of claim 55, wherein the hydrophilic-lipophilic organic compound is a mono-alcohol, a diol, an ethoxylated alcohol, ethoxylated amine, alkanolamide or fatty acid ethoxylate.

61. (Previously presented) The method of claim 55, wherein the hydrophilic-lipophilic organic compound is octan-1-ol, oleyl alcohol, versatyl alcohol, oleyl amine or a dimeric oleyl amine.

62. (Previously presented) The method of claim 55, wherein the molar ratio of the hydrophilic-lipophilic organic compound to the anionic surfactant is in a range from 0.01 to 0.4.

63. (Previously presented) The method of claim 55, wherein the molar ratio of the hydrophilic-lipophilic organic compound to the anionic surfactant is in a range from 0.05 to 0.3.

64. (Previously presented) The method of claim 55, wherein the wellbore fluid is a fracturing fluid or a diverting fluid.

65. (Previously presented) The method of claim 55 wherein the wellbore fluid has a salt concentration of less than 4 wt%.

66. (Previously presented) The method of claim 55 wherein the wellbore fluid has a salt concentration of less than 3 wt%.

67. (Previously presented) The method of claim 55 wherein the viscosity of the wellbore fluid is above 60cp at 100s⁻¹ at a temperature of above 60°C.

68 - 70 (Cancelled).

71. (Currently amended) A method of treating a subterranean reservoir formation wherein the reservoir temperature is at least 100 degrees Celsius by

providing a wellbore fluid which comprises:

an anionic surfactant for forming a viscoelastic (VES) gel in which the surfactant is a solution of worm-like micelles, the surfactant being selected from:

- a carboxylate containing a hydrophobic group of 18 to 22 carbon atoms;
- a compound of formula R-X-Y-Z, in which R is the hydrophobic tail of the surfactant, Z is the hydrophilic head of the surfactant and is either COO⁻ or SO₃⁻, X is an amide or ester group and Y is a linear or branched saturated or unsaturated chain of 1, 2 or 3 carbon atoms;
- a dimer, trimer or oligomer of a said carboxylate or compound of formula R-X-Y-Z;

a salt at a concentration in a range of 0 to less than 6 wt%; and

a nonionic hydrophilic-lipophilic organic compound having one or more polar groups, effective to raise the viscosity of the fluid at temperatures in a range from 50 to 100°C; and
injecting the fluid into a wellbore leading to the subterranean formation.

72. (Previously presented) The method of claim 71 wherein the anionic surfactant has a hydrophobic group selected from one or more of oleyl, linoleyl, erucyl and tallowyl.

73. (Previously presented) The method of claim 71 wherein the anionic surfactant is selected from ester succinates, amide succinates and sarcosinates.

74. (Previously presented) The method of claim 71, wherein the hydrophilic-lipophilic organic compound is composed of a linear or branched saturated or partially unsaturated carbon chain comprising one or more -OH or -NH₂ polar groups.

75. (Previously presented) The method of claim 74, wherein the hydrophilic-lipophilic compound contains at least one other group selected from an ether, ketone, amide, ester, phosphate ester or phosphonate ester group.

76. (Previously presented) The method of claim 71, wherein the hydrophilic-lipophilic organic compound is a mono-alcohol, a diol, an ethoxylated alcohol, ethoxylated amine, alkanolamide or fatty acid ethoxylate.

77. (Previously presented) The method of claim 71, wherein the hydrophilic-lipophilic organic compound is octan-1-ol, oleyl alcohol, versatyl alcohol, oleyl amine or a dimeric oleyl amine.

78. (Previously presented) The method of claim 71, wherein the wellbore fluid is a fracturing fluid or a diverting fluid.

79. (Previously presented) The method of claim 71 wherein the wellbore fluid has a salt concentration of less than 4 wt%.

80. (Previously presented) The method of claim 71 wherein the wellbore fluid has a salt concentration of less than 3 wt%.

81. (Previously presented) The method of claim 71 wherein the wellbore fluid has viscosity above 60cp at 100s⁻¹ at temperatures in the range from 50 to 100°C.

82. (Currently amended) The method of claim 71 wherein the nonionic hydrophilic-lipophilic organic compound is effective to raise the viscosity of the fluid above 50cp at 100s⁻¹ at temperatures in a range from 50 to 130°C.

83. (New) The method of claim 55 wherein the nonionic hydrophilic-lipophilic organic compound is effective to raise the viscosity of the fluid above 50cp at 100s⁻¹ at temperatures in a range from 50 to 130°C.